CR-2 PLUS AF DIGITAL RETINAL CAMERA

Canon's new CR-2 PLUS AF Digital Retinal Camera and imageSPECTRUM software provides a number of important new enhancements beyond more traditional color retinal photographic systems. Designed to help you consistently capture and analyze retinal images – quickly, effectively and automatically – this camera and software provides a remarkable set of advanced features which include:

Fundus AutoFluorescence (FAF) – This valuable diagnostic tool enables you to document changes in the condition of the retinal pigment epithelium layer which may be an early indicator of such vision problems as diabetic retinopathy, macular degeneration, glaucoma, optic disc drusen, retinal toxicity, geographic atrophy and nevus/melanoma.

Auto-Fundus – Allows automatic switching from the external eye to retinal observation mode.

Auto-Focus with Manual Alignment Override – Automatically focus the eye by partially depressing the joystick – or easily switch to manual focus with a twist of the focus ring.

Auto-Capture – Integrated Canon EOS 18 MP digital camera with Canon lens technology automatically captures the image when the eye is properly focused.

Image Error Detection – Intelligent software automatically confirms correct alignment and focus.

Enhanced Visibility During Alignment – Big and bright working dots allow for easy patient alignment.

Quick Preview – Image preview on the EOS camera and computer display at the time of capture confirms image details before image store and forward.

Anterior Segment Compensator – With a flip of a switch, the integrated diopter compensator simplifies anterior photos without having to reposition the patient.

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External Monitor Port – HDMI port accommodates the use of an external monitor.

imageSPECTRUM CapturePlus – Recently validated with VistA Imaging, imageSPECTRUM provides several features which improve workflow and diagnosis:

DICOM Modality Worklist provides accuracy and efficiency when assigning patient demographics during a capture session. Three View Photographic Protocol Templates assist photographers in maintaining exam consistency and can be used as a training tool for those less experienced photographers.

Post Processing features like Auto-Montage (for wide field viewing and assessment), RGB separation (for RNFL assessment, etc.) and emboss can be applied to images, creating a new subset of images which are added to the original study before they are automatically sent to VistA Imaging for storage.

imageSPECTRUM's DICOM Query and Retrieve feature allows physicians to retrieve studies directly from VistA Imaging and use a more sophisticated viewing environment unlike anything found in CPRS. Additional images (i.e.- annotated images) created using imageSPECTRUM can be appended to the original study located on VistA Imaging storage.

BENEFITS OF THE CR-2 PLUS DIGITAL RETINAL CAMERA

- Novice-friendly design
- Improved exam throughput
- Reduced training time
- Enhanced ease of use
- Increased image acquisition quality
- Capture software seamlessly integrates into VistA Imaging

Camera controls include:

- Motorized chin rest to adjust to patient height
- Focus adjustment range without compensation lens: -10 Diopter to +15 Diopter
- Focus adjustment range with "negative" compensation lens: -31 Diopter to -7 Diopter
- Focus adjustment range with "positive" compensation lens: +11 Diopter to +33 Diopter
- Small pupil switch to 3.3mm when selected
- Infrared illumination control to adjust during alignment and focus
- Flash control setting to adjust for lower/higher flash levels
- Omni-directional joystick with fine focus wheel
- Internal eye fixation lamp with fixation position setting control
- "Optional" external fixation lamp device

Available on the Clinical Telehealth BPA

The Clinical Telehealth BPA is a pre-competed blanket purchase agreement that provides the latest in telehealth products and services for the Department of Veterans Affairs.

Contract Number: VA119-14-A-0018
Authorized Buyers: Any individual who has authorized ordering/contracting authority, on behalf of VA, to place delivery (purchase) orders may use this BPA
Period of Performance: June 19, 2014 – October 19, 2015

Contact us today to find out why the leading VA facilities are partnering with Canon and Iron Bow for the latest in retinal observation.